

Executive Engineer Project Division Yelahanka	
Name of Work: Improvements to roads and drains at Kodigehalli village from 1st to 3rd cross and other roads in ward No. 08, Kodigehalli	
Est Cost=	50.00 Lakhs

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SI No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.MORTH / Chapter 3(I No-19.1, P No-143)								
	Basic rate	130.00							
	6.00% AW	7.8							
	Sub Total	137.80							
	Loading and unloading with 10km lead= 57+2.00x1.28x10 = 82.60	82.60							
	Sub Total	220.40							
	Near Kodigehalli Main Road								
	1st Cross Road	2	131.00	1.10	0.85	244.97			
	2nd Cross Road	2	120.00	1.10	0.85	224.40			
	Culverts	2	6.50	1.50	1.00	19.50			
						488.87	Cum	220.40	107746.95
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-13,I No-4.2)								
	Basic rate	5194.00							
	6.00% AW	311.64							
	Sub Total	5505.64							
	Near Kodigehalli Main Road								
	1st Cross Road	2	131.00	1.10	0.10	28.82			
	2nd Cross Road	2	120.00	1.10	0.10	26.40			
	Culverts	2	6.50	1.50	0.15	2.93			
						58.15	Cum	5505.64	320125
3	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifcaitons. Specification No. KBS 4.6.2(I No-4.28,P No-16)								

SI No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic rate	258.00							
	6.00% AW	15.48							
	Sub Total	273.48							
	Near Kodigehalli Main Road								
	1st Cross Road	4	131.00		0.15	78.60			
	2nd Cross Road	4	120.00		0.15	72.00			
	Culverts	4	6.50		0.25	6.50			
						157.10	Sqm	273.48	42,963.71
4	KSRB 4-6.4 : Providing and removing centering, shuttering , strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificalitons. Specification No. KBS 4.6.2(I No-4.31,P No-16)								
	Basic rate	358.00							
	6.00% AW	21.48							
	Sub Total	379.48							
	Near Kodigehalli Main Road								
	1st Cross Road	8	131.00		0.60	628.80			
	2nd Cross Road	8	120.00		0.60	576.00			
	Culverts	16	6.50		0.60	62.40			
						1267.20	Sqm	379.48	480877.06
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.0.69cum and fine aggregates @ 0.460cum, with superplastisiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-14)								
	Basic rate	5659.00							
	6.00% AW	339.54							
	Sub Total	5998.54							
	Near Kodigehalli Main Road								
	1st Cross Road	2	131.00	0.90	0.15	35.37			
	2nd Cross Road	2	120.00	0.90	0.15	32.40			
	Culverts	4	6.50	1.30	0.15	5.07			
	Near Kodigehalli Main Road								
	1st Cross Road	4	131.00	0.15	0.60	47.16			
	2nd Cross Road	4	120.00	0.15	0.60	43.20			

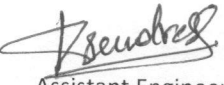
SI No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Culverts	8	6.50	0.15	0.75	5.85			
						169.05	Cum	5998.54	1014053.19
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (I No-4.46.2, P No-18)								
	Basic rate	70966.00							
	6.00% AW	4257.96							
	Sub Total	75223.96							
	Consider 60kg/Cum drain	1	158.13	60.00		9487.80			
	Consider 100kg/Cum drain	1	10.92	100.00		1092.00			
						10.58	Tn		
					Qty Ltd to	10.58	Tn	75223.96	795854.45
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. (Data Rate)								
	Basic rate	2111.00							
	For CC Drain Top Covering Slab								
	Near Kodigehalli Main Road								
	1st Cross Road	2	131.00	0.90		235.80			
	2nd Cross Road	2	120.00	0.90		216.00			
						451.80	Sqm	2111.00*	953749.80
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer in charge								
	Basic rate	5111.00							
	Culverts	2	6.50	1.20		15.60			
						15.60	Sqm	5111.00	79,731.60
9	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials separately complete as per specifications. MORTH Specification No. 202 (P.No. 140, I.No. 18.47)								
	Basic rate	899.00							
	6.00% AW	53.94							
	Sub Total	952.94							
	Near Kodigehalli Main Road								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	1st main Road	1	110.00	4.80	0.15	79.20			
						79.20	Cum	952.94	75,472.85
10	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No. 147, I.No. 19.64)								
	Basic rate	6.00							
	6.00% AW	0.36							
	Sub Total	6.36							
	Near Kodigehalli Main Road								
	1st main Road	1	110.00	4.80		528.00			
						528.00	Sqm	6.36	3,358.08
11	Construction of un-reinforced plain cement concrete KSRRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.43cum, with superplasticiser @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No.13, I.No. 4.5)								
	Basic rate	5328.00							
	6.00% AW	319.68							
	Sub Total	5647.68							
	Near Kodigehalli Main Road								
	1st main Road	1	110.00	4.80	0.10	52.80			
						52.80	Cum	5647.68	298197.50
12	Vaccum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.176, I.No. 22.7)								
	Basic rate	68.00							
	6.00% AW	4.08							
	Sub Total	72.08							
	Near Kodigehalli Main Road								
	1st main Road	1	110.00	4.80		528.00			
						528.00	Sqm	72.08	38,058.24
13	Providing groove cutting for width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillers, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement (P.No.176, I.No. 22.8)								
	Basic rate	135.00							
	6.00% AW	8.1							
	Sub Total	143.10							
	Near Kodigehalli Main Road								
	1st main Road	1	110.00			110.00			
						110.00	mtr	143.10	15,741.00

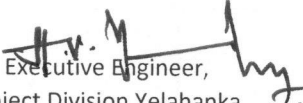
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	A.Total Construction Cost								4225929.86
14	B.Cost towards PMC / Third Party inspection LS=A*2%								84,518.60
15	C.Cost towards 12% GST=(A+B)*12%								517253.81
16	D.Cost towards 3% KRIDL Charges+ 1% CESS=(A*4%)								169038.00
	E.Sub Total=(A+B+C+D)								4996740.27
17	F.Miscellaneous and rounding off								3,259.73
	G.Total =(E+F)								5000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates


Assistant Engineer
Project Division Yelahanka
BBMP Bangalore


Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore


Executive Engineer,
Project Division Yelahanka
BBMP Bangalore 12/11/18

Administrative Approval

Accorded For Rs. 50.00 Lakhs
Head of A/C P-3296
CER NO : 19 Dt: 30/11/18


E.E. (Project) 30/11

Technical Sanction

Accorded For Rs. 50.00 Lakhs only
Head of A/C P-3296
CER NO : 19 Dt: 30/11/18


[TA] CE (YNK)